

Compliance Assessment Report

Report ID:
CAR_NRW0020635

This form will report compliance with your permit as determined by an NRW officer

Site	Newport Recycling Facility NRW/EPR/YP3135TE/V004	Permit Ref	YP3135TE			
Operator/Permit holder	Celtic Recycling Ltd					
Regime	Installations					
Date of assessment	09/03/2016	Time in	10:00	Out	12:00	
Assessment type	Site Inspection					
Parts of the permit assessed	Waste procedures and classification					
Lead officer's name	Willey, David					
Accompanied by	Lansdown, Ashley					
Recipient's name/position	Iain Kerr/ Depot Manager	Date issued	08/06/2016			

Section 1 – Compliance Assessment Summary

This is based on the requirements of the permit under the Environmental Permitting Regulations. A detailed explanation is captured in "Compliance Assessment Report Detail" (Section 2) and any actions you may need to take are given in the "Action(s)" (section 4). This summary details where we believe any non-compliance with the permit has occurred, the relevant condition and how the non-compliance has been categorised using our Compliance Classification Scheme (CCS). CCS Scores can be consolidated or suspended where appropriate, to reflect the impact of some non-compliances more accurately. For more details of our CCS scheme, contact your local office.

Permit conditions and compliance summary	CCS Category	Condition(s) breached
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KEY: See Section 4 for breach categories, suspended scores will be indicated as such.

A = Assessed or assessed in part (no evidence of non-compliance), **N** = Not Assessed, **X** = Action only

Number of breaches recorded	0	Total compliance score (see section 5 for scoring scheme)	0
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If the Number of breaches recorded is greater than zero, please see Section 3 for our proposed enforcement response

Section 2 – Compliance Assessment Report Detail

This section contains a report of our findings and will usually include information on:

- The part(s) of the permit that were assessed (eg. Maintenance, training, combustion plant, etc)
- Where the type of assessment was 'Data Review' details of the report/results triggering the assessment
- Any non-compliances identified
- Any non-compliances with directly applicable legislation
- Details of any multiple non-compliances
- Information on the compliance score accrued inc.
- Details of advice given
- Any other areas of concern
- Any actions requested
- Any examples of good practice
- A reference to photos taken

Celtic Recycling Limited – EPR/YP3135TE

Newport Recycling Facility

Present: Iain Kerr, Ashley Lansdown (NRW) and David Willey (NRW).

Agenda

1. Update on site / issues and associated actions from last CAR Form
 2. Waste data analysis by NRW
 3. Overview of onsite processes
 4. Permit activity confirmation
 5. Waste returns and percentage weighed
 6. Site inspection
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1. Update on site / issues and associated actions from last CAR Form.

Actions IK 1 requiring the drains to be painted has been completed. Actions IK2 and IK3 have been carried forward and will be completed in the next quarter.

Following the previous actions from the meeting on 28th October 2014 A1 has been completed, however, the Fire and Rescue Service has not provided formal feedback. A2 has also been completed with a 10 year external inspection regime proposed with an annual inspection to be undertaken by Celtic Recycling.

2 and 3. Waste data analysis by NRW and overview of onsite processes.

Following correspondence over the last few years in regard to identifying hazardous waste codes and changes in legislation NRW have undertaken an analysis of the incoming and outgoing waste classification. To understand what wastes need to be defined as hazardous the following needs to be understood in more detail:

- The processes undertaken from waste receipt to waste leaving the site;
- How are the components stripped from the accumulators;
- Agreement and understanding of the waste codes through the process.

Using the recently re issued WM3 (2015) the following has been assumed in NRW's approach.

WM3 states in 4. *Waste oils and other wastes containing or contaminated with oil:*

Wastes contaminated with known oil (other than from the treatment of oil containing waste)

Where the identity of the contaminating oil is known, and the oil is classified as carcinogenic or mutagenic on the manufacturer's Safety Data Sheet, marker compounds must not be used for that property. The relevant marker would have been considered in the preparation of the safety data sheet. If the oil is not carcinogenic or mutagenic, and its composition has changed significantly during use, then either the oil should be classified as carcinogenic/mutagenic or the relevant marker should be reassessed.

Where the identity of the contaminating oil is not known, but the petroleum group has been established, then the appropriate marker for that petroleum group may be used unless the oil is diesel or petrol. Marker compounds must not be used for petrol or diesel:

- Diesel is carcinogenic, H351. No marker compounds apply.
- Petrol is carcinogenic H350 unless the identity is known and the safety data sheet for that particular product indicates otherwise.

For oils in other petroleum groups the CLP identifies the following three markers for use in determining the carcinogenic or mutagenic nature of the oil contaminating the waste. Only the marker(s) assigned to that group by the CLP can be used. The oil is not carcinogenic or mutagenic, where indicated by the CLP note(s) assigned to that group, if the:

- benzene concentration is less than 0.1% of the TPH concentration w/w (mg/kg);
- 1,3-butadiene concentration is less than 0.1% of the TPH concentration w/w (mg/kg); and
- substance contains less than 3 %DMSO extract (relative to TPH concentration) as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. (Note: this method is only applicable to hydrocarbon oils and is not suitable where other additives/contaminants may be present)

Where the CLP does not assign a marker to the petroleum group, then markers must not be used for that petroleum group, H350, H351, H340 and H341 are allocated as indicated by that entry.

Markers related to the refining history are not applicable to waste. These would require the identity of the oil to be known, and should already have been determined by the manufacturer and supplier on the Safety Data Sheet.

The safety data sheets are known for the site and need to be allocated per waste stream.

The site is permitted to accept a number of hazardous waste codes with the following codes reflected in the waste returns received by NRW:

Hazardous wastes identified through waste returns

13 01 10*	Mineral-based non-chlorinated hydraulic oils
13 03 07*	Mineral-based non-chlorinated insulating and heat transmission oils
16 02 09*	Transformers and capacitors containing PCBs

16 02 11*	Discarded equipment containing chlorofluorocarbons, HCFC, HFC
16 02 12*	Discarded equipment containing free asbestos
16 02 13*	Discarded equipment containing hazardous components (2) other than those mentioned in 16 02 09 to 16 02 12
16 05 04*	Gases in pressure containers (including halons) containing dangerous substances
16 06 01*	Lead batteries
16 06 02*	Ni-Cd batteries
19 12 11*	Other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances

From reviewing the waste returns for 2014 and 2015 the following waste codes have minimal or no tonnage associated with them. These are 13 01 10, 16 02 11, 16 02 12, 17 06 05 and 19 12 11. 16 06 01 and 16 06 02 are clearly tracked as waste batteries.

The following table is designed to understand the flow of waste through the site and what processes are undertaken on site that changes the waste from hazardous to non-hazardous.

Waste flow at Celtic Recycling

Incoming	Outgoing	Description / process
Non-hazardous 160214 - discarded equipment other than those mentioned in 16 02 09 to 16 02 13		Non-hazardous These arrive on site drained and are dry therefore do not have any hazardous elements.
Hazardous 160504 - gases in pressure containers(including halons) containing dangerous substances		These are removed in line with the RAMs Storage, degassing, dismantling and decontamination of SF6 insulated electrical equipment and storage of product Doc Ref: SHE-RAMS-NPT-SF6-v9. and are sent from the site as hazardous waste under waste code 160504
Hazardous 160209 - transformers and capacitors containing PCB's	Hazardous 160209 - transformers and capacitors containing PCB's	These are the large units that arrive on site that are containing PCBs. Note that these units are

		removed from site to the sister plant in Pyle as hazardous waste that is permitted to accept and treat these units. An analysis is undertaken to identify the PCB concentration, if less than 50ppm then it can be treated on site, if more than 50ppm it is quarantined and sent to the Pyle site.
Hazardous 160213 - discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12.	Oil drained and sent from site as hazardous waste code 13 03 07. Non-hazardous waste stream from the site are sent out as 16 02 16 and 19 12 02. The oil is drained in line with the work instruction Doc Ref: AHE-RAMS-NPT-DDT-v3. Paper removed from the copper stripping process is sent for recycling.	Large amount of hazardous waste accepted. No 16 02 13 sent from site.
	Hazardous 130307 - mineral-based non-chlorinated insulating and heat transmission oils	This is the oil drained and stored in tank prior to export from site to Dudley.
	Non-hazardous 160216 - components removed from discarded equipment other than those mentioned in 16 02 15	These are the core and windings that are removed from 16 02 13 (transformers and capacitors). Destination is Bridgend and Outside UK. The procedure for this is listed in the Risk Assessment and Method Statement (RAMs) dismantling and draining of transformers unit 30. Doc Ref: AHE-RAMS-NPT-DDT-v3.
	Non-hazardous 19 12 02 – ferrous metal	
	Non hazardous	

	Copper removed 19 12 03 – non-ferrous metal	
	Non hazardous 15 01 03 - wooden packaging	These are the crates that are used for transporting the units to the site.
	Non hazardous 19 12 12 – other waste from mechanical treatment	This is the paper removed from the copper windings and sent for recycling. Also includes the cardboard removed from the units. Paper and cardboard is sent to Nolan Recycling.

ACTION: Celtic Recycling to amend their waste codes for paper and cardboard sent from the site from 19 12 12 to 19 12 01 that is for paper and cardboard specifically.

16 02 09* and 16 02 10* are used when PCBs are present at a concentration of equal to or greater than 50 mg/kg (0.005%). Celtic use the 50mg/kg (50ppm) in their waste acceptance and is detailed in the document Dismantling and Draining of Transformers Unit 30. Doc Ref: SHE-RAMS-NPT-DDT-v3.

ACTION: Could CRL confirm that there is a sign off procedure, or equivalent, in place following the draining process? For example is it visually checked by suitably trained staff?

Upon final inspection and signoff the units are considered to be below the threshold described in WM3 section 4 as there is no oil visible. Therefore they are not considered to be hazardous and can be removed from the site as non-hazardous waste. If any oil is still present then the units will need to be tested for assessment under HP7 to be considered as non-hazardous or hazardous waste.

4. Permit activity confirmation

The activity is currently regulated as a S5.3 Part A (1)(a)(ii) - Physico-chemical treatment. No such activity is taking place on site, only the storage of waste oil pending sending from site for further refining / recovery.

This then leaves it with the potential for falling under a S5.6 Part A(1)Temporary storage pending recovery or disposal with a capacity exceeding 50 tonnes.

Celtic have demonstrated that although there are controls in place to limit their tank storage to 27,000 tonnes (capacity of 40,000 tonnes) there will be more than 50 tonnes on site when taking into consideration the oil in the units received and in the process of being drained.

The tank itself has an integral bund site with the floor area of the building acting as bunding to hold 27,870 litres. NRW will identify and begin the process to amend the permit activity.

5. Waste returns and percentage weighed

NRW queries why the waste returns did not have 100% weighted for waste accepted to site.

Celtic explained that some of the units are too heavy for the weighbridge, maximum capacity of 50 tonnes, and that the weight for these units are taken from the units plates. The waste returns reflect all the waste treated on site.

6. Site inspection

A site inspection was carried out. During the visit visual inspections of some of the units was carried out with no collection of oil noted at the base of the units. Photos originally taken were not clear and another visit was rearranged on 24th May 2016 to enable more detailed photos to be taken.

Photo 1: View inside drained unit

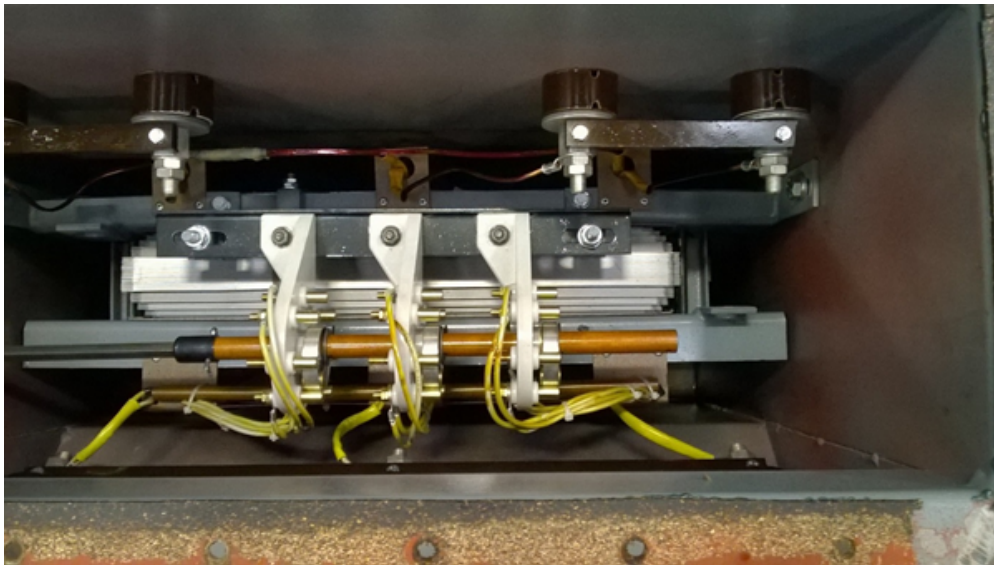


Photo 2: View inside drained unit



An inspection of the copper stripping was also carried out, photos below show the separation process undertaken. The paper did not have any signs of oil residue with a composition similar to that of parchment paper.

Photo 3: Copper windings before being removed

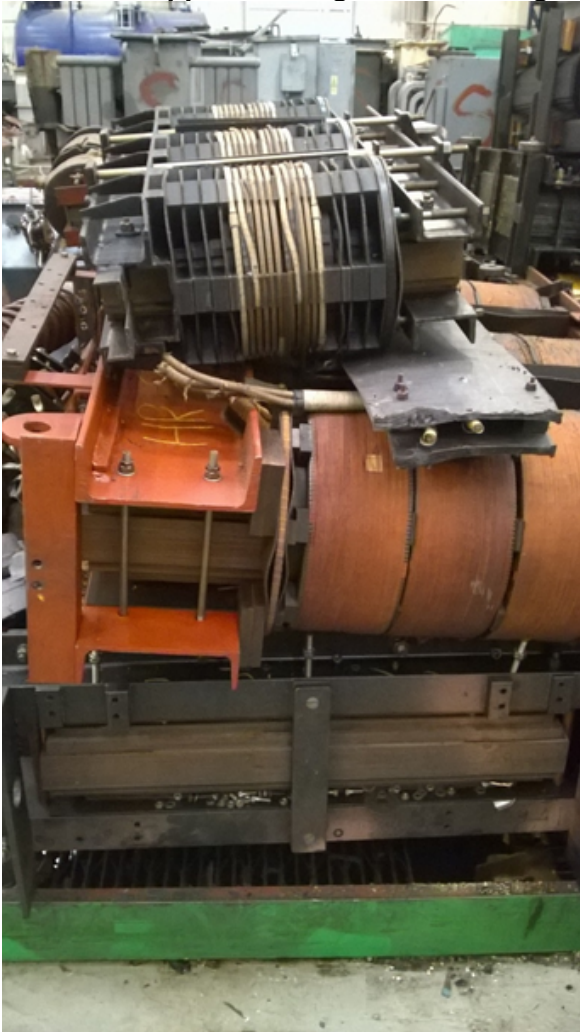


Photo 4: Copper windings in paper covering



Photo 5: Paper removed from metal shredder



The cardboard waste that is in within the units at first appeared to be saturated with oil but after closer examination the cardboard within the outer covering was dry. Similar to that of the paper the cover has a parchment/greaseproof paper texture with a slight sheen. The cardboard is manufactured so it does not absorb the oil as this would affect the insulating properties of the cardboard. The cardboard is subsequently sent for recycling as a non-hazardous waste to Nolan Recycling.

Photo 5: Cardboard within the units



ACTION: Please could you provide the waste transfer notes for the waste cardboard and paper in 2015 Q4.

Security at the site was discussed with no issues reported. Celtic have good security measure in place and are looking to fence of the facility completely.

Annual Returns and Waste Returns

The following returns have been received with no comments:

Energy1, Performace1, Air1 received on 30th January 2016.

2015 quarter 3 and 4 and 2016 quarter 1 waste returns have been received.

End.

EPR Compliance Assessment Report

**Report ID:
CAR_NRW0020635**

This form will report compliance with your permit as determined by an NRW officer

Site	Newport Recycling Facility NRW/EPR/YP3135TE/V004	Permit Ref	YP3135TE
Operator/Permit holder	Celtic Recycling Ltd	Date	09/03/2016

Section 3 – Enforcement Response

You must take immediate action to rectify any non-compliance and prevent repetition.

Non-compliance with your permit conditions constitutes an offence and can result in criminal prosecutions and/or suspension or revocation of a permit. Please read the detailed assessment in Section 2 and the steps you need to take in Section 4 below.

Section 4 – Action(s)

This section summarises the actions identified during the assessment along with the timescales for when they will need to be completed.

Criteria Ref.	CCS Category	Action required/advised	Due Date
See Section 1 above			

Section 5 – Compliance notes for the Operator

To ensure you correct actual or potential non-compliance we may

- Advise on corrective actions verbally or in writing
- Require you to take specific actions verbally or in writing
- Issue a notice
- Require you to review your procedures or management system
- Change some of the conditions of your permit
- Decide to undertake a full review of your permit

Any breach of a permit condition is an offence and we may take legal action against you

- We will normally provide advice and guidance to assist you to come back into compliance either after an offence is committed or where we consider that an offence is likely to be committed. This is without prejudice to any other enforcement response that we consider may be required.
- Enforcement action can include the issue of a formal caution, prosecution, the service of a notice and/or suspension or revocation of the permit.

See our Enforcement and Civil Sanctions guidance for further information

This report does not relieve the site operator of the responsibility to

- Ensure you comply with the conditions of the permit at all times and prevent pollution of the environment
- Ensure you comply with other legislative provisions which may apply

Non-compliance scores and categories

CCS category	Description	Score
C1	A non-compliance that could have a major environmental effect	60
C2	A non-compliance which could have a significant environmental effect	31
C3	A non-compliance which could have a minor environmental effect	4
C4	A non-compliance which has no potential environmental effect	0.1

Operational Risk Appraisal (Opra) - Compliance assessment findings may affect your Opra score and/or your charges. This score influences the resource we use to assess permit compliance.

Section 6 – General information

Data protection notice

The information on this form will be processed by the Natural Resources Wales (NRW) to fulfil its regulatory and monitoring functions and to maintain the relevant public register(s). The NRW may also use and/or disclose it in connection with:

- Offering/providing you with its literature/services relating to environmental matters
- Consulting with the public, public bodies and other organisations (eg. Health and Safety Executive, local authorities) on environmental issues
- Carrying out statistical analysis, research and development on environmental issues
- Providing public register information to enquirers
- Investigating possible breaches of environmental law
- Assessing customer service satisfaction and improving its service
- Freedom of Information Act/Environmental Regulations request

The NRW may pass it on to its agents/representatives to do these things on its behalf. You should ensure that any persons named on this form are informed of the contents of this data protection notice.

Disclosure of information

The NRW will provide a copy of this report to the public register(s). However, if you consider that any information contained in this reports should not be released to the public register(s) on the grounds of commercial confidentiality, you must write to your local area office within twenty working days of receipt of this form indicating which information it concerns and why it should not be released, giving your reasons in full.

Customer charter

What can I do if I disagree with this compliance assessment report?

If you are unable to resolve the issue with your site officer, you should firstly discuss the matter with officer's line managers using the informal appeals procedure. If you wish to raise your dispute further through our official Complaints and Commendations procedure, phone our general enquiry number 0300 065 3000 (Mon to Fri 08.00 – 18.00) and ask for the Customer Contact team or send an email to enquiries@naturalresourceswales.gov.uk. If you are still dissatisfied you can make a complaint to the Public Services Ombudsman for Wales. For advice on how to complain to the Ombudsman phone their helpline on 0845 607 0987.

Welsh Language

If you would like this form in Welsh please contact your Regulatory Officer.